

What is claimed is:

1. A system for distributing digital contents over electronic network, the system comprising:

5 a management PC configured to collect the digital contents and upload the collected digital contents to FTP servers; and

an edge server configured to download the digital contents in advance from the FTP servers according to instructions from the management PC and deliver the downloaded digital contents to a user terminal located in the same network as the edge server according to request from the user terminal.

2. The system of claim 1, wherein the edge server acquires information from the management PC to identify the least loaded FTP server where plural FTP servers are deployed and according to the above information, downloads the digital contents in advance from the least loaded FTP server.

20 3. The system of claim 1, wherein when contents for streaming and instruction note are contained in the digital contents, the edge server executes installation, deletion, and update of the contents for streaming to VoD servers and database of the edge server according to instruction note, and reports the result of the execution to the management

PC.

4. The system of claim 2, wherein when contents for streaming and an instruction note are contained in the digital contents, the edge server executes installation, deletion, and update of the contents for streaming to VoD servers and a database of the edge server according to instruction note, and reports the result of the execution to the management PC.

5. The system of claim 3, wherein the edge server controls the least loaded VoD server to deliver streaming contents where plural FTP servers are deployed.

6. The system of claim 4, wherein the edge server controls the least loaded VoD server to deliver streaming contents where plural FTP servers are deployed.

7. The system of claim 1, wherein:
the edge server collects logs of delivery to the user terminals and uploads the collected logs to the FTP server specified by the management PC; and
the management PC downloads the logs uploaded to the FTP server and manages the log data.

8. The system of claim 2, wherein:

the edge server collects logs of delivery to the user terminals and uploads the collected logs to the FTP server specified by the management PC; and

5 the management PC downloads the logs uploaded to the FTP server and manages the log data.

9. The system of claim 3, wherein:

the edge server collects logs of delivery to the user
10 terminals and uploads the collected logs to the FTP server specified by the management PC; and

the management PC downloads the logs uploaded to the FTP server and manages the log data.

15 10. The system of claim 4, wherein:

the edge server collects logs of delivery to the user terminals and uploads the collected logs to the FTP server specified by the management PC; and

the management PC downloads the logs uploaded to the
20 FTP server and manages the log data.

11. The system of claim 5, wherein:

the edge server collects logs of delivery to the user terminals and uploads the collected logs to the FTP server
25 specified by the management PC; and

the management PC downloads the logs uploaded to the FTP server and manages the log data.

12. The system of claim 6, wherein:

5 the edge server collects logs of delivery to the user terminals and uploads the collected logs to the FTP server specified by the management PC; and

the management PC downloads the logs uploaded to the FTP server and manages the log data.

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13. The system of claim 3, wherein the edge server generates Web pages according to the attributes of the user with the information stored in the database, and provides the Web pages to the user terminal.

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14. The system of claim 4, wherein the edge server generates Web pages according to the attributes of the user with the information stored in the database, and provides the Web pages to the user terminal.

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15. A method for distributing digital contents over electronic network comprising following stages:

collecting the digital contents in a management PC and uploading the collected digital contents from the management

25 PC to FTP servers;

downloading the digital contents in advance from the FTP servers to each edge server according to instructions from the management PC; and

5 delivering the downloaded digital contents to user terminals from the edge server located in the same network as the user terminal upon receipt of a request from the user terminal.

16. An edge server used for a system for distributing
10 digital contents over electronic network, the edge server performing:

downloading digital contents in advance from an FTP server to which a management PC uploads the digital contents collected by management PC, according to instructions from
15 the management PC; and

delivering the downloaded digital contents to user terminal located in the same network as the edge server upon receipt of a request from the user terminal.